



Application No. 10/091,505
Amendment dated September 21, 2006
Reply to Office Action of June 29, 2006

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Page 2 of 9

AMENDMENTS TO THE CLAIMS

1-11. (Cancelled)

12. (Currently Amended) A target system for light infantry weapons, comprising:
a target overturnable by an impact; and

an actuating mechanism configured to move the target, said target being connected to the actuating mechanism via a pivot structure,

wherein the actuating mechanism includes a lifter configured to lift the target to a substantially upright position, a vertical rail system and a carriage vertically moveable along the vertical rail system, and an electric motor configured to move the carriage along the vertical rail system, said pivot structure being arranged on the carriage,

wherein the lifter comprises a supporting lifter device, against which the target falls when hit and a non-moveable lifter part arranged below and closer to the rail system than the supporting lifter device such that when the carriage is lowered, the non-moveable lifter part lifts the target to the substantially upright position utilizing the movement of the carriage and an inertia of the target, and

wherein the target system is portable and of modular construction,

wherein the target includes upper and lower parts attached to each other, said upper part being a target part and said lower part being a mounting part, and

wherein the lower part includes a slot in an upper surface thereof for receiving the target part and a hole in a lower edge thereof for receiving a shaft included in the carriage.

13. (Previously Presented) The system of claim 12, further comprising:

a control unit configured to control the electric motor to move the carriage up and down the vertical rail system; and

a sensor connected to the control unit and configured to determine whether the target is overturned during the time the target is visible.

14. (Previously Presented) The system of claim 13, wherein the electric motor moves the carriage vertically up and down the vertical rail system when so ordered by the control unit.

15. (Currently Amended) The system of claim 12, wherein ~~the target includes upper and lower parts attached to each other, and~~ the upper part comprises a plate-type target and the lower part includes the pivot structure configured to pivot the target between the upright position and the overturned position.

16. (Previously Presented) The system of claim 12, wherein the supporting lifter device is solid or flexible.

17. (Previously Presented) The system of claim 12, further comprising:
a protective armor covering at least a portion of a front surface of the target system.

18. (Previously Presented) The system of claim 17, wherein the vertical rail system extends to a height such that the when the carriage moves the target to its lowest position, the target is hidden behind the protective armor.

19. (Previously Presented) The system of claim 12, further comprising:
levers connected between a rotating axle of the electric motor and a lower edge of the carriage and configured to move the carriage upwards or downwards along the vertical rails when the rotating axle is rotated.

20. (Currently Amended) The system of claim 12, wherein the target system is designed to be disassembled without tools for transportation purposes, thus enabling even a single person to move ~~it includes light weight modular parts each being portable by a single person.~~

21. (Previously Presented) A target system, comprising:

- a target overturnable by an impact;
- a carriage configured to carry the target along vertical rails of the target system;
- a frame configured to support the vertical rails;
- a motor configured to move the carriage along the rails;
- a support part fixedly mounted to the frame and configured to support the target when the target is hit by the impact and overturns;
- a non-moveable lifter part fixedly mounted to the frame below the support part and configured to lift the target to a substantially upright position when the motor moves the carriage vertically downwards along the rails such that the overturned target contacts the lifter part and lifts substantially upright based on the movement of the carriage and an inertia of the target,

wherein the target includes upper and lower parts attached to each other, said upper part being a target part and said lower part being a mounting part, and

wherein the lower part includes a slot in an upper surface thereof for receiving the target part and a hole in a lower edge thereof for receiving a shaft included in the carriage.

22. (Previously Presented) The system of claim 21, wherein the support part and the lifter part are separate parts and operate independent of each other.

23. (Previously Presented) The system of claim 21, further comprising:

- a control unit configured to control the motor to move the carriage up and down the rails;

and

- a sensor connected to the control unit and configured to determine when the target overturns and is supported by the support part.

24. (Previously Presented) The system of claim 23, wherein the motor moves the carriage vertically down the rails when the sensor detects the target is supported by the support part.

25. (Previously Presented) The system of claim 21, wherein the support part and the lifter part do not include any moveable parts.

26. (Previously Presented) The system of claim 21, wherein the support part and the lifter part are integrated into a single component.

27. (Currently Amended) The system of claim 21, wherein ~~the target includes upper and lower parts attached to each other, and~~ the upper part comprises a plate-type target and the lower part includes a pivot mechanism configured to pivot the target between the upright position and the overturned position.

28. (Previously Presented) The system of claim 21, wherein the frame, support part, and lifter part are modularly connected without welding.

29. (Previously Presented) The system of claim 21, wherein the lifter part is solid or flexible.

30. (Previously Presented) The system of claim 21, further comprising:
a protective armor covering at least a front surface of the frame.

31. (Previously Presented) The system of claim 30, wherein the rails extend to a height such that the when the carriage moves the target to its lowest position, the target is hidden behind the protective armor.

32. (Previously Presented) The system of claim 21, wherein the motor comprises an electric motor.